# AVerMedia TVBox™ 5

## User Manual

FC CE

## FCC NOTICE

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### CAUTION ON MODIFICATIONS

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### CE NOTICE

This is a Class B product.

### DISCLAIMER

No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

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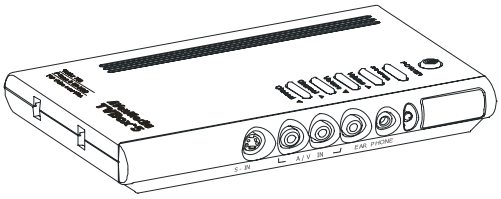
# Introduction

Thank you for purchasing the AVerMedia TVBox™ 5!

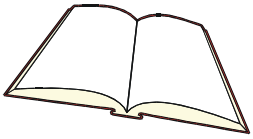
With the AVerMedia TVBox 5, you can turn your VGA monitor or LCD projector into a TV/multimedia center with or without turning on your PC. It is true plug-n-play and there is no software driver required. You can easily switch between TV/Video source and PC display at anytime.

## *What's in the Package*

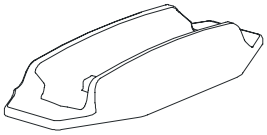
Your AVerMedia TVBox 5 package contains the following items:



AVerMedia TVBox 5



User's Manual



Vertical Stand

Remote Control
(Batteries included)

Power Adapter

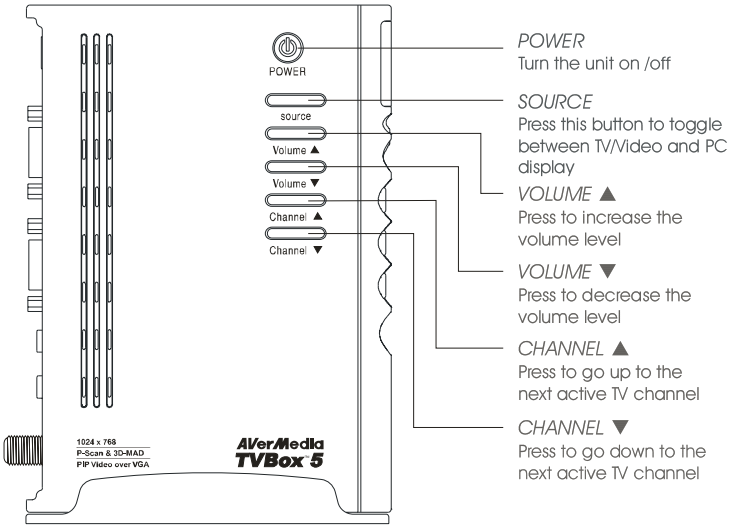
Audio Cable

VGA Cable

# The AVerMedia TVBox™ 5 Unit

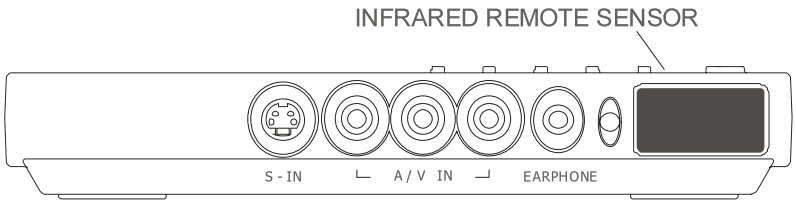
## *Touch Button Control Panel*

The Touch Button Panel found on the top side of the AVerMedia TVBox 5 provides quick access to commonly used functions.



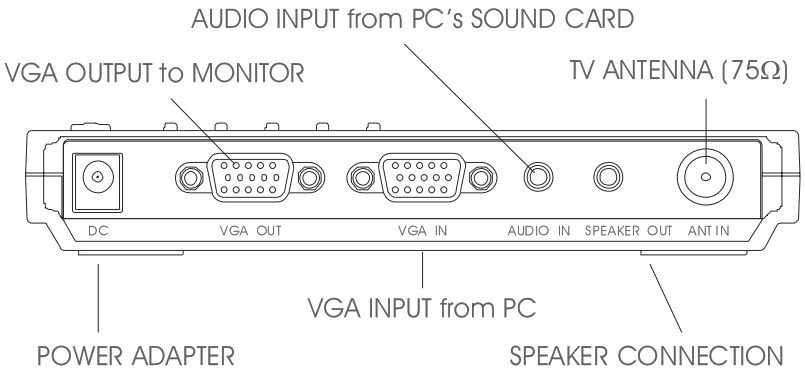

## *Infrared Sensor*

When using the remote control, aim it at the Infrared Sensor which is located at the front panel of the AVerMedia TVBox 5.

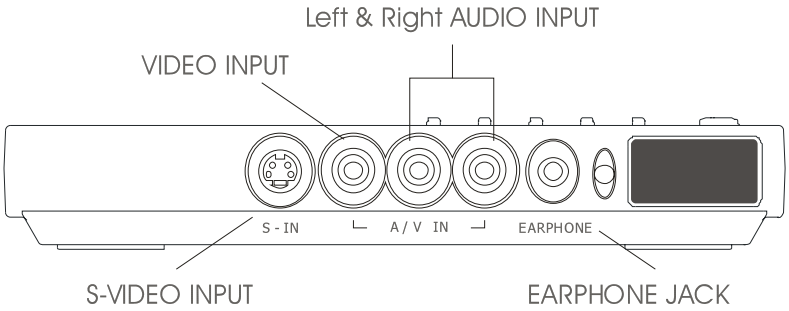


## *Connection Ports*

The port connectors allow connection of your TV antenna, PC, VGA monitor or LCD projector, speakers, video, or s-video source etc.




***AVerMedia TVBox 5 Back Panel***

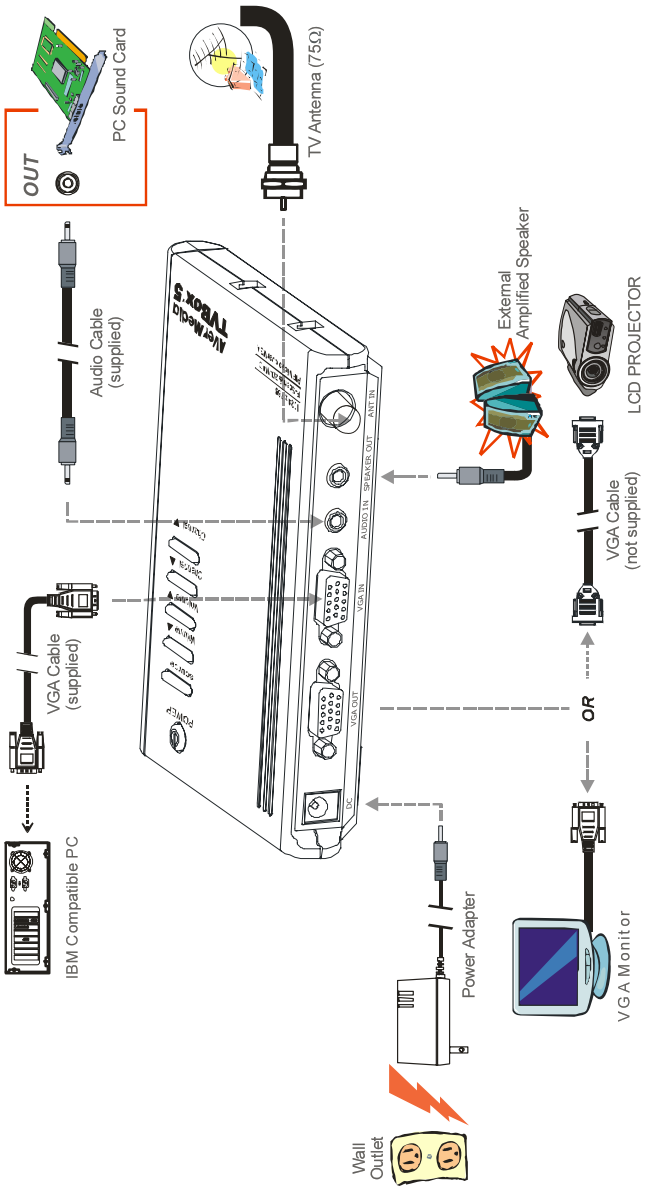


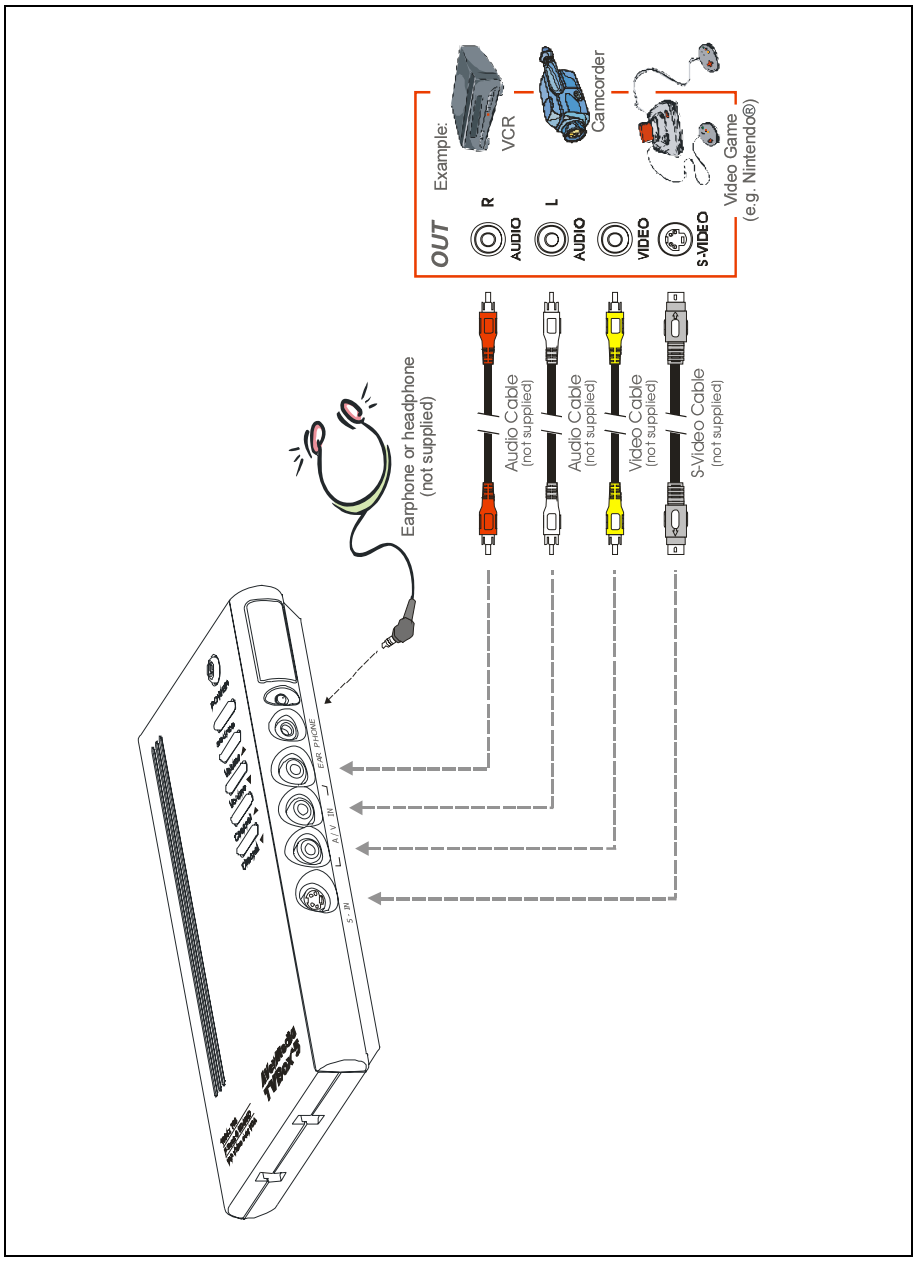

***AVerMedia TVBox 5 Front Panel***

The Installation and Setup section provides more information on cable connections.

## Installation and Setup

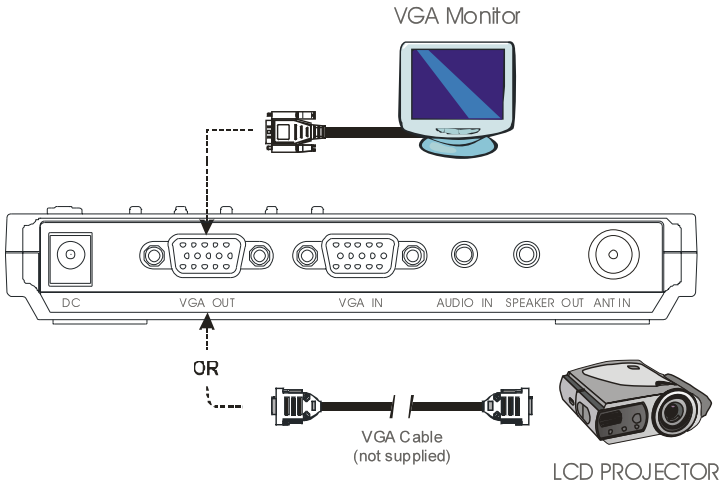
The figure below shows the proper cable connections for installing AVerMedia TVBox 5 and connecting it to your audio/video equipment.




Example:
VCR
Camcorder
Video Game
(e.g. Nintendo®)
OUT
R
AUDIO
L
AUDIO
VIDEO
S-VIDEO
Earphone or headphone
(not supplied)
Audio Cable
(not supplied)
Audio Cable
(not supplied)
Video Cable
(not supplied)
S-Video Cable
(not supplied)
EAR PHONE
L A/V IN
S - IN

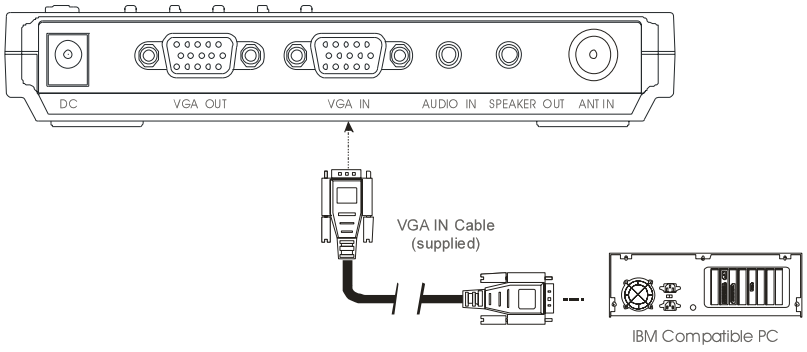
## *Connecting the VGA monitor or LCD Projector*

Connect the VGA monitor or LCD Projector cable to the AVerMedia TVBox 5 **VGA OUT** port.



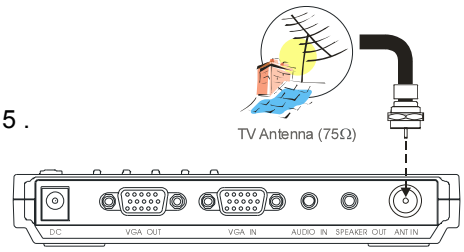

## *Connecting the Computer*

You can use AVerMedia TVBox 5 with or without turning on your PC. To switch to PC anytime, connect the VGA cable to the AVerMedia TVBox 5 **VGA IN** port and to your PC VGA card (the terminal where your monitor connects to the PC).

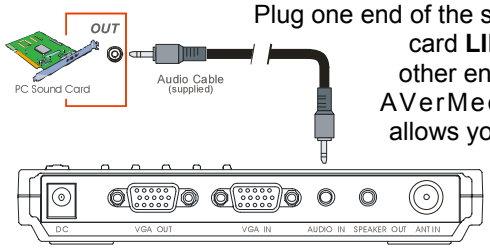


## *Connecting the Antenna*

Attach the antenna or cable TV to the **ANT IN** port of the AVerMedia TVBox 5 .




## *Connecting an Audio Cable*

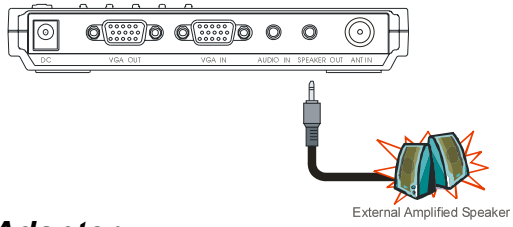



Plug one end of the supplied audio cable to your sound card **LINE OUT (SPEAKER)** port and the other end to the **AUDIO IN** port of the AVerMedia TVBox 5 . This connection allows you to have audio at all times and to adjust the volume from the AVerMedia TVBox 5 .

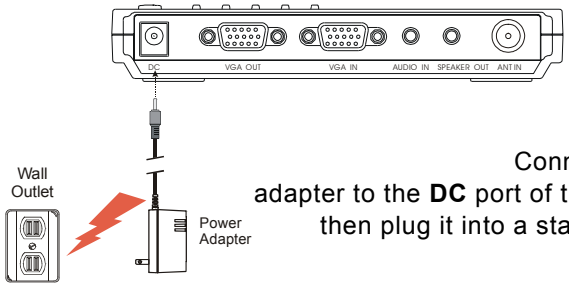
## *Connecting an External Amplified Speaker*

Connect your external amplified speaker to the AVerMedia TVBox 5 **SPEAKER OUT** port.

.




## *Connecting the Power Adapter*



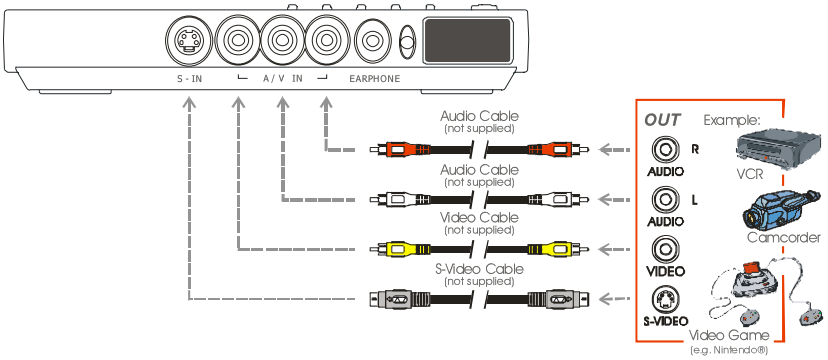

Connect the supplied power adapter to the **DC** port of the AVerMedia TVBox 5 then plug it into a standard AC power outlet.

## *Connecting the Audio/ Video Equipment*

**RCA (Composite) Video connection**: Connect the video cable (not included) to the **VIDEO OUT** of the video device and to the AVerMedia TVBox 5 **A/V IN** yellow port.

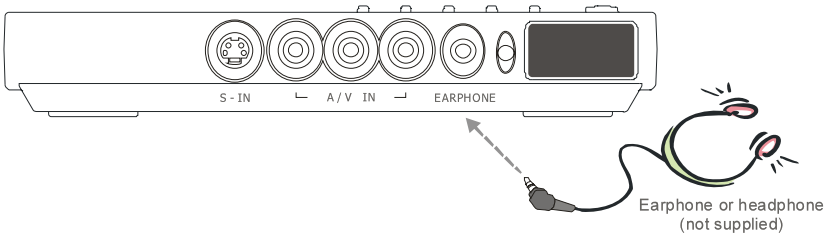
**S-Video connection**: Connect the s-video cable (not included) to the **S-VIDEO OUT** of the video device and to the AVerMedia TVBox 5 **S-IN** port. If your video device supports s-video, use this type of connection as s-video provides better picture quality than composite video.

**Left and Right Audio connection** : Connect the audio cable to the left & right **AUDIO OUT** of the video device and to the AVerMedia TVBox 5 **A/V IN** white and red ports.




## *Connecting an Earphone or Headphone*

You can also use earphones or headphones to listen to audio. Plug the earphones or headphones to the AVerMedia TVBox 5 **EARPHONE** port.



# Using the AVerMedia TVBox 5

Different countries have different TV systems, for example, PAL-BG, PAL-DK, NTSC-J, NTSC-M…etc. AVerMedia TVBox 5 functions only with the TV system of the country it is manufactured for and originally distributed in.

Each column in the table below corresponds to a different type of TV system. Only one of these TV systems (only one column) will appear as your **SET AREA**. Make sure that you select the correct country signal from the menu. To change the area setting, refer to **SET AREA** (page 13).

| NTSC-J | PAL-N<br>PAL-M<br>NTSC-M | SECAM-DK | SECAM-L | PAL-I | PAL-BG | PAL-DK |
|---|---|---|---|---|---|---|
| JAPAN | | BULGARIA | FRANCE | UK | AUSTRALIA | CHINA |
| | | RUSSIA | | HK | AUSTRIA | CZECH |
| | ARGENTINA | UKRAINE | | | BANGLADESH | HUNGARY |
| | BRAZIL | | | | BELGIUM | POLAND-1 |
| | KOREA | | | | DENMARK | POLAND-2 |
| | TAIWAN | | | | EGYPT | POLAND-3 |
| | USA-STD | | | | GERMANY | SLOVAKIA |
| | USA-HRC | | | | GREECE | |
| | USA-IRC | | | | INDIA | |
| | | | | | INDONESIA | |
| | | | | | IRAN | |
| | | | | | ITALY | |
| | | | | | NETHERLANDS | |
| | | | | | NETHERLANDS_1 | |
| | | | | | NETHERLANDS_2 | |
| | | | | | RUMANIA | |
| | | | | | PORTUGAL | |
| | | | | | SINGAPORE | |
| | | | | | SLOVENIA | |
| | | | | | SPAIN | |
| | | | | | SWEDEN | |
| | | | | | SWITZERLAND | |
| | | | | | TURKEY | |
| | | | | | UAE | |

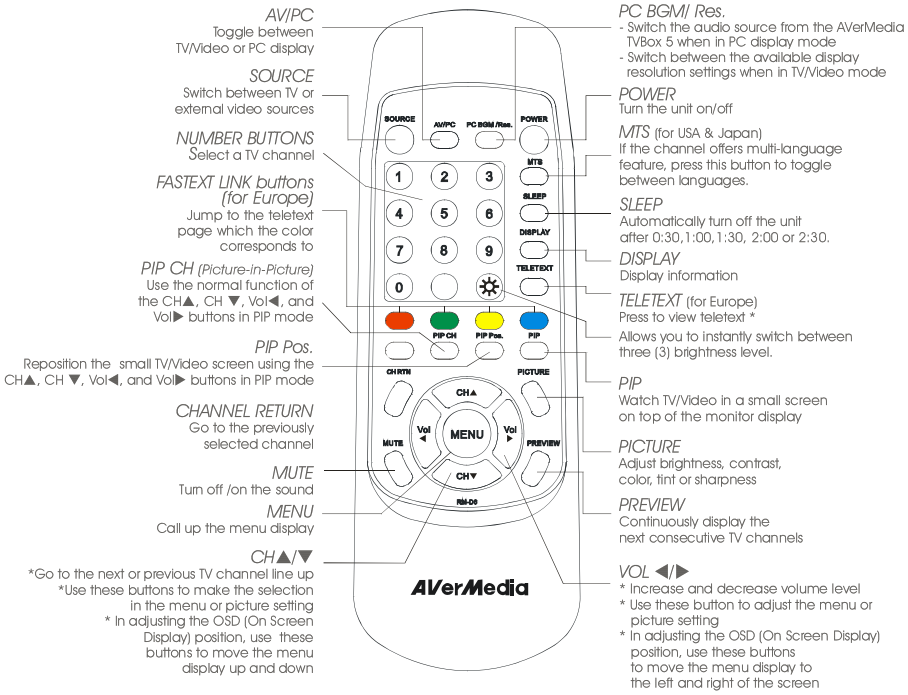
To ensure that you can select and watch all active channels, refer to section **CH SCAN** (page 11) on how to automatically scan and memorize all active TV channels in your area.

## *Accessing TV Controls*

To access various TV controls, open up the menu displays or press on the remote control buttons.

## *The Remote Control*

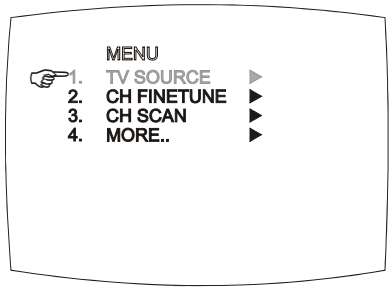
The diagram below shows the remote control unit layout.

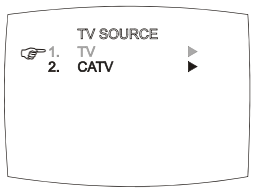
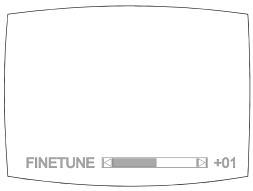
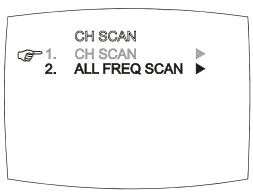

AV/PC
Toggle between TV/Video or PC display
SOURCE
Switch between TV or external video sources
NUMBER BUTTONS
Select a TV channel
FASTEXT LINK buttons (for Europe)
Jump to the teletext page which the color corresponds to
PIP CH (Picture-in-Picture)
Use the normal function of the CH▲, CH ▼, Vol◀, and Vol▶ buttons in PIP mode
PIP Pos.
Reposition the small TV/Video screen using the CH▲, CH ▼, Vol◀, and Vol▶ buttons in PIP mode
CHANNEL RETURN
Go to the previously selected channel
MUTE
Turn off /on the sound
MENU
Call up the menu display
CH▲/▼
*Go to the next or previous TV channel line up
*Use these buttons to make the selection in the menu or picture setting
* In adjusting the OSD (On Screen Display) position, use these buttons to move the menu display up and down
PC BGM/ Res.
- Switch the audio source from the AVerMedia TVBox 5 when in PC display mode
- Switch between the available display resolution settings when in TV/Video mode
POWER
Turn the unit on/off
MTS (for USA & Japan)
If the channel offers multi-language feature, press this button to toggle between languages.
SLEEP
Automatically turn off the unit after 0:30,1:00,1:30, 2:00 or 2:30.
DISPLAY
Display information
TELETEXT (for Europe)
Press to view teletext *
Allows you to instantly switch between three (3) brightness level.
PIP
Watch TV/Video in a small screen on top of the monitor display
PICTURE
Adjust brightness, contrast, color, tint or sharpness
PREVIEW
Continuously display the next consecutive TV channels
VOL ◀/▶
* Increase and decrease volume level
* Use these button to adjust the menu or picture setting
* In adjusting the OSD (On Screen Display) position, use these buttons to move the menu display to the left and right of the screen
SOURCE
AV/PC
PC BGM /Res.
POWER
MTS
SLEEP
DISPLAY
TELETEXT
PIP CH
PIP Pos.
PIP
CH RTN
PICTURE
CH▲
Vol◀
MENU
Vol▶
MUTE
PREVIEW
CH▼
RM-D8
AVerMedia

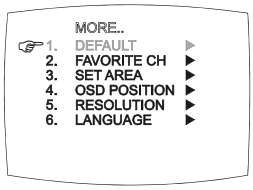
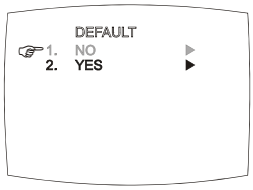
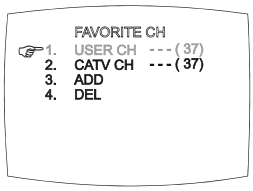
Note: Teletext buttons only present in European model.

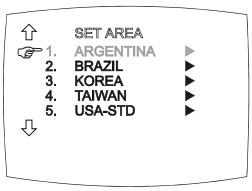
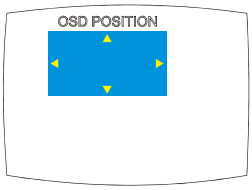
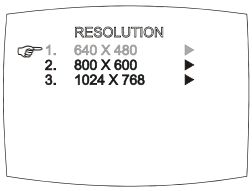
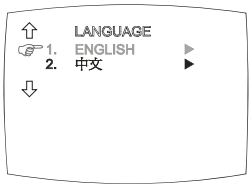
## *Calling Up a Menu Display*

Press the **MENU** button on the remote control to call up and exit the main menu or sub-menu display. Then, you can use the **CH▲** or **CH▼** buttons to select the items in the menu list; and the **Vol◀** or **Vol▶** buttons to adjust or to make a selection. The table on the next page lists the different functions you will find in the menu.



| *Main Menu* | *On Screen Display* | *Usage* |
|---|---|---|
| TV SOURCE |  | Use the **CH▲** or **CH▼** buttons to select between antenna TV or cable TV source, then press **Vol►** button to make the selection. |
| CH FINETUNE |  | If the TV reception is not clear, choose **CH FINETUNE** then press **Vol◄** and **Vol►** buttons until the TV picture becomes clear. |
| CH SCAN |  | Use the **CH▲** or **CH▼** buttons to select either **CH SCAN** or **All FREQ SCAN**, then press **Vol◄** button to make the selection. If you want to interrupt or cancel the scanning process, press the **MENU** button. Only those channels scanned prior to interruption or cancellation will be memorized.<br><br>These two types of channel-preset functions recall all active channels in your area.<br><br>Use the **CH SCAN** function first. If there are channels missing after you perform **CH SCAN**, use the **ALL FREQ SCAN** function and repeat the searching process.<br><br>NOTE: **ALL FREQ SCAN** is a very time consuming process. If the default frequency table already includes all active TV channels in your area, then you do not need to use the ALL FREQ SCAN. |

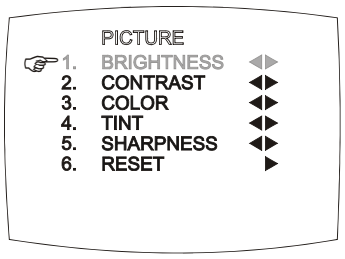
| *Main Menu* | *On Screen Display* | *Usage* |
|---|---|---|
| MORE.. |  | Press **Vol►** button to call up **MORE..** menu list. |
| DEFAULT |  | Use the **CH▲** or **CH▼** buttons to select **YES** to clear all the preset channels and to restore the original factory default picture setting or **NO** to exit. Then press **Vol►**. |
| FAVORITE CH |  | This function enables you to add, remove, reprogram or reassign the TV channels with channel numbers that are easier to remember.<br><br>In the selected **USER CH**, enter the new channel number you want to assign or the channel number you want to remove/add to the channel line up. Then, in the **CATV CH** or **TV CH**, enter the channel number you want to remap or the channel number you want to remove/add.<br><br>Use the **CH▲** or **CH▼** buttons to select **ADD** to include or **DEL** to remove the channel number in the channel line up and then press **Vol►**.<br><br>Note: To browse through channels while setting the **USER CH** and **CATV** number, press the **CH▲** or **CH▼** buttons. |

| *Main Menu* | *On Screen Display* | *Usage* |
|---|---|---|
| SET AREA |  | Press the **MENU** button, select **MORE,** select **SET AREA** in the **MORE**, list items, use the **CH▲** or **CH▼** buttons to choose the appropriate country signal, then press **Vol►** button to make the selection.<br><br>If your country is not listed, choose another country with the same TV system as yours. |
| OSD POSITION |  | Use the **CH▲**, **CH▼**, **Vol◄**, and **Vol►** buttons to move the frame where you want to set the position of the MENU, then press **MENU**. |
| RESOLUTION |  | Use the **CH▲** or **CH▼** buttons to choose either 640 x 480, 800 x 600 or 1024 x 768 display resolution then press **Vol►**. |
| LANGUAGE |  | Use the **CH▲** or **CH▼** buttons to select a different language then press **Vol►**. |

## *Customizing the Picture Setting*

If you want to adjust the picture quality, press the **PICTURE** button on the remote. Then, you can use the **CH▲** or **CH▼** buttons to select the items in the **PICTURE** menu; and the **Vol◄** or **Vol ►** buttons to make the adjustment.

To restore the picture default setting, select **RESET** and then press **Vol ►**.



## *Supported Display Setting in PIP Mode*

The reference table below lists the monitor display resolution and refresh rate settings that TVBox 5 supports when viewing in PIP mode:

| *Resolution* | *Refresh Rate (Hz)* |
|---|---|
| 640 x 480 | 60, 72, 75, 85 |
| 800 x 600 | 60, 72, 75, 85 |
| 1024 x 768 | 60, 70, 75, 85 |

# LIMITED WARRANTY

**1. Limited Warranty:**

For a period of time beginning on the date of purchase of the applicable product and extending as set forth in Section 6 of this Limited Warranty (the "**Warranty Period**"), AVerMedia Technologies, Inc. ("**AVerMedia**") warrants that the applicable product ("**Product**") substantially conforms to AVerMedia's documentation for the product and that its manufacture and components are free of defects in material and workmanship under normal use. "You" as used in this agreement means you individually or the business entity on whose behalf you use or install the product, as applicable. This limited warranty extends only to You as the original purchaser. Except for the foregoing, the Product is provided "AS IS." In no event does AVerMedia warrant that You will be able to operate the Product without problems or interruptions, or that the Product is suitable for your purposes. Your exclusive remedy and the entire liability of AVerMedia under this paragraph shall be, at AVerMedia's option, the repair or replacement of the Product with the same or a comparable product. This warranty does not apply to (a) any Product on which the serial number has been defaced, modified, or removed, or (b) cartons, cases, batteries, cabinets, tapes, or accessories used with this product. This warranty does not apply to any Product that has suffered damage, deterioration or malfunction due to (a) accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, commercial or industrial use, unauthorized product modification or failure to follow instructions included with the Product, (b) misapplication of service by someone other than the manufacturer's representative, (c) any shipment damages (such claims must be made with the carrier), or (d) any other causes that

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**Section 6**

**Warranty Period of AVerMedia Product Purchased**:
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1 Year of Remote Control, Microscope Lens Adapters
**AVerVision300**: 3 Year Limited Parts and Labor.
1 Year of LED Document Positioning Light Module, Remote Control,
and Microscope Lens Adapters.
**All other AVerMedia Products**: 1 Year Limited Parts and Labor

## CONTACT INFORMATION

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